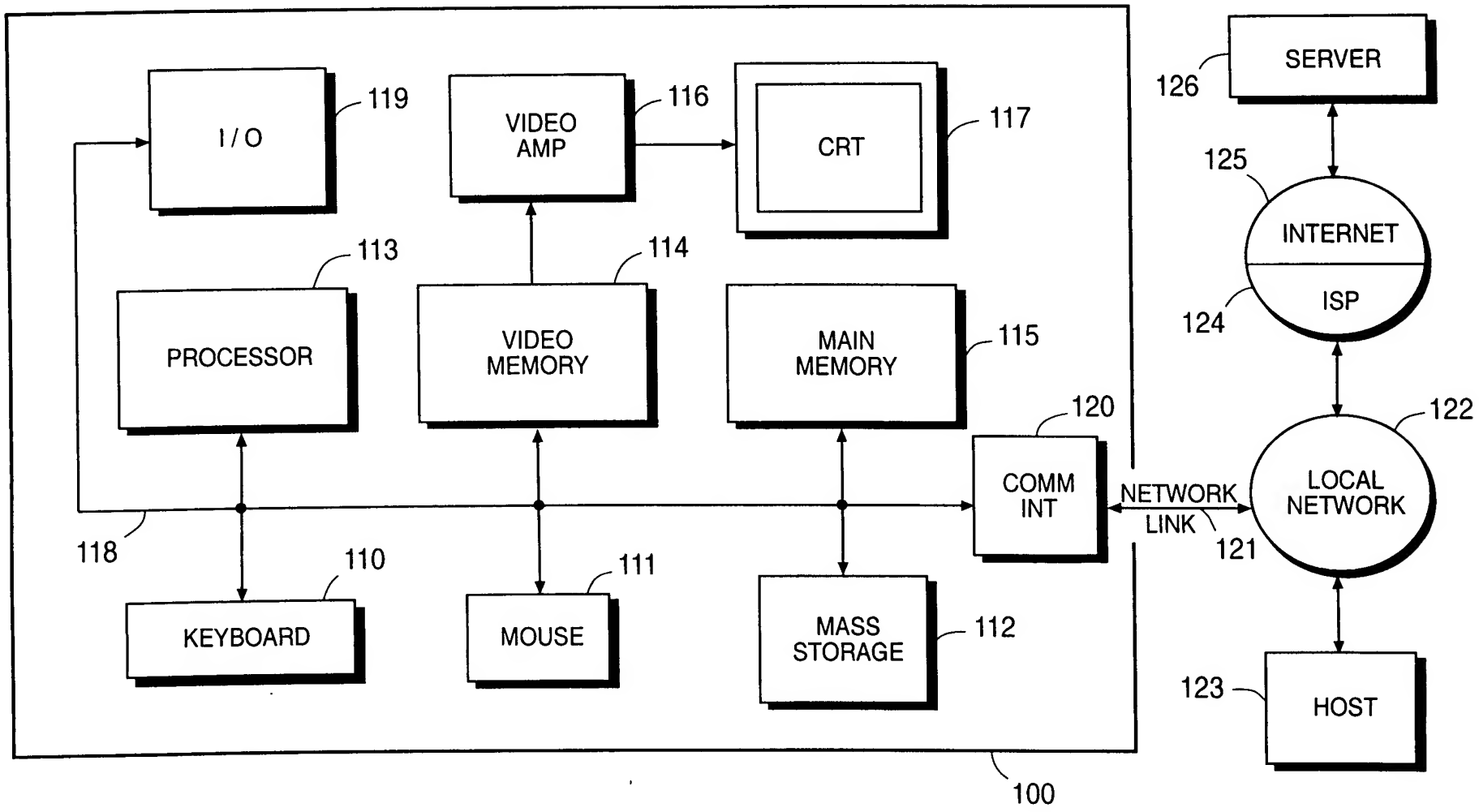

I/O
119
VIDEO AMP
116
CRT
117
SERVER
126
125
INTERNET
ISP
124
113
PROCESSOR
114
VIDEO MEMORY
MAIN MEMORY
115
120
COMM INT
NETWORK LINK
121
LOCAL NETWORK
122
118
110
KEYBOARD
111
MOUSE
MASS STORAGE
112
123
HOST
100

FIG. 1

FIGURE 2

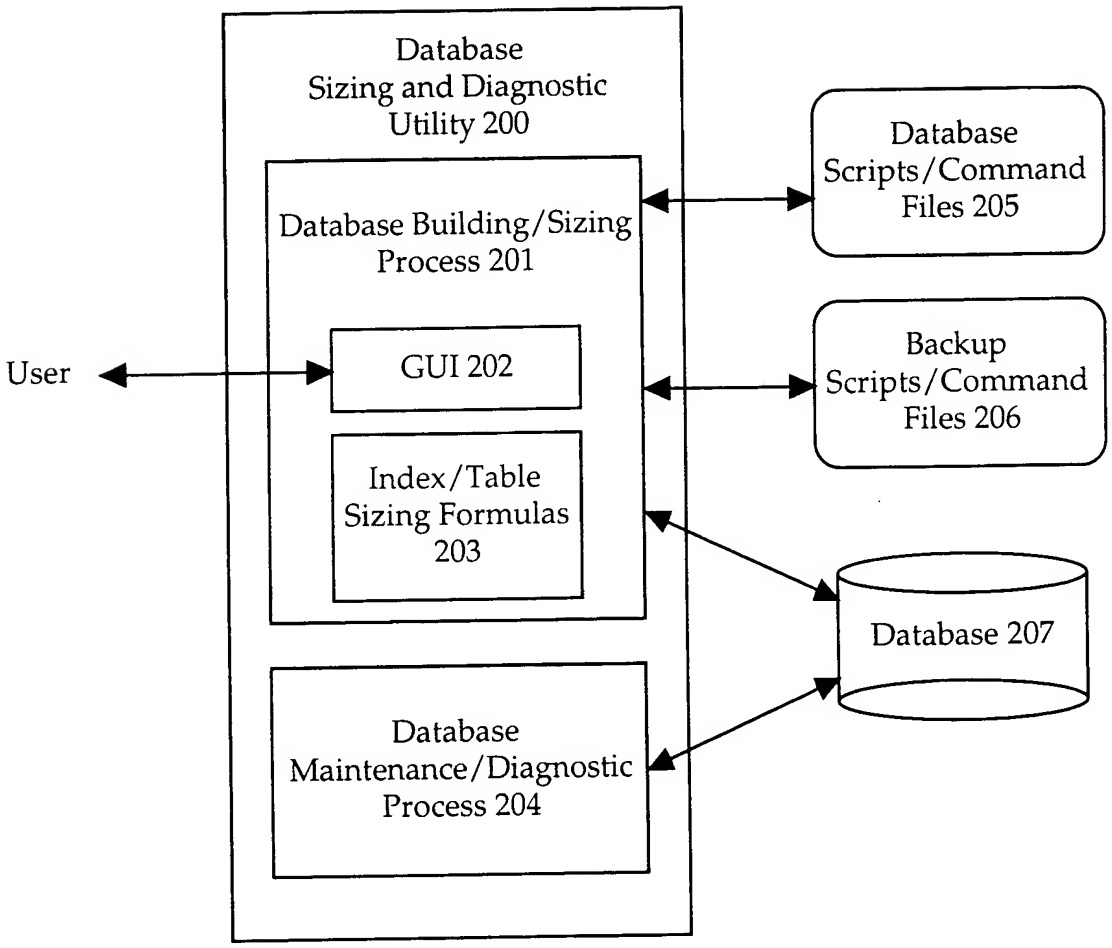

Database
Sizing and Diagnostic
Utility 200
Database Building/Sizing
Process 201
GUI 202
Index/Table
Sizing Formulas
203
Database
Maintenance/Diagnostic
Process 204
User
Database
Scripts/Command
Files 205
Backup
Scripts/Command
Files 206
Database 207

FIGURE 3

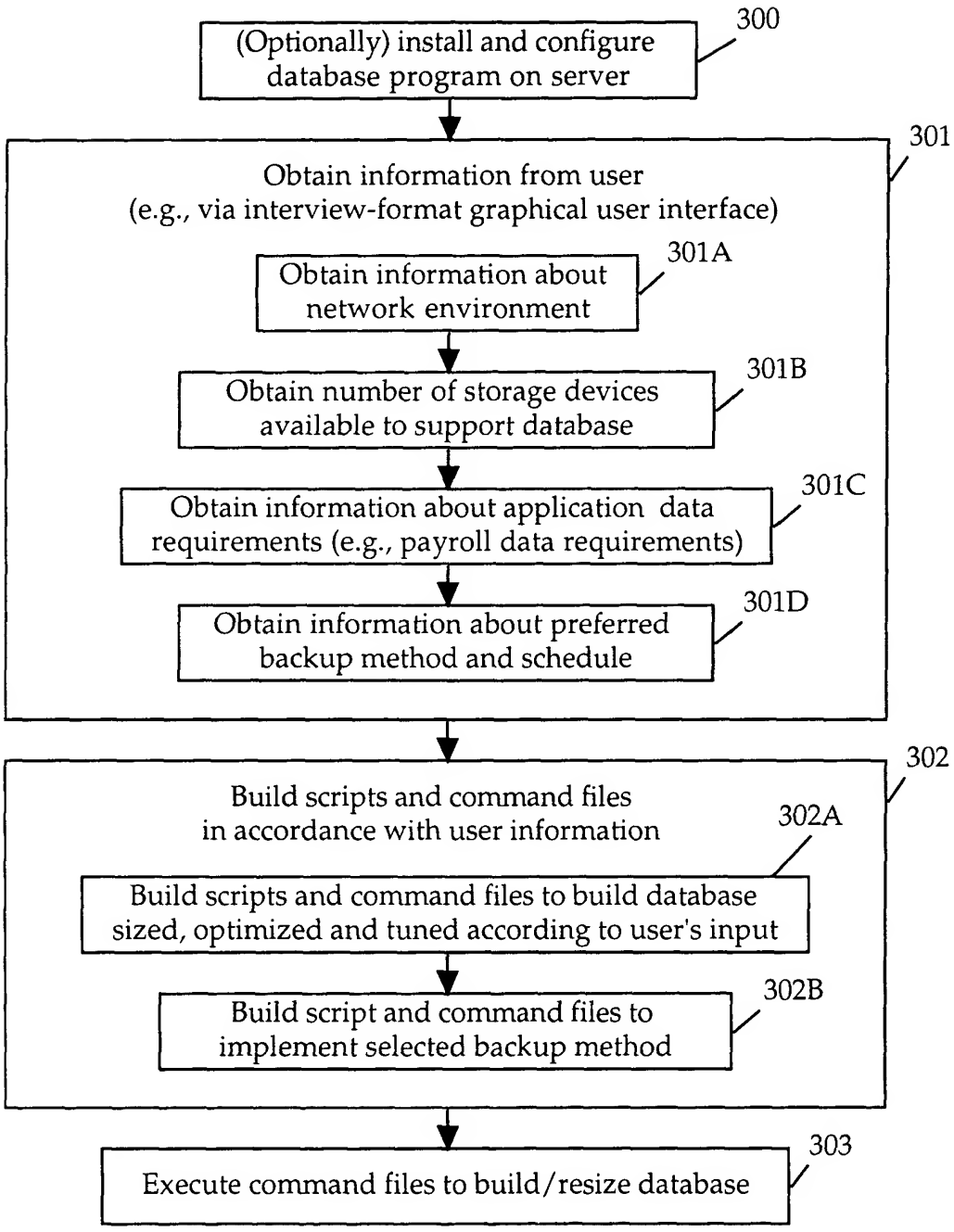

(Optionally) install and configure database program on server
300
Obtain information from user (e.g., via interview-format graphical user interface)
301
Obtain information about network environment
301A
Obtain number of storage devices available to support database
301B
Obtain information about application data requirements (e.g., payroll data requirements)
301C
Obtain information about preferred backup method and schedule
301D
Build scripts and command files in accordance with user information
302
Build scripts and command files to build database sized, optimized and tuned according to user's input
302A
Build script and command files to implement selected backup method
302B
Execute command files to build/resize database
303

FIGURE 4

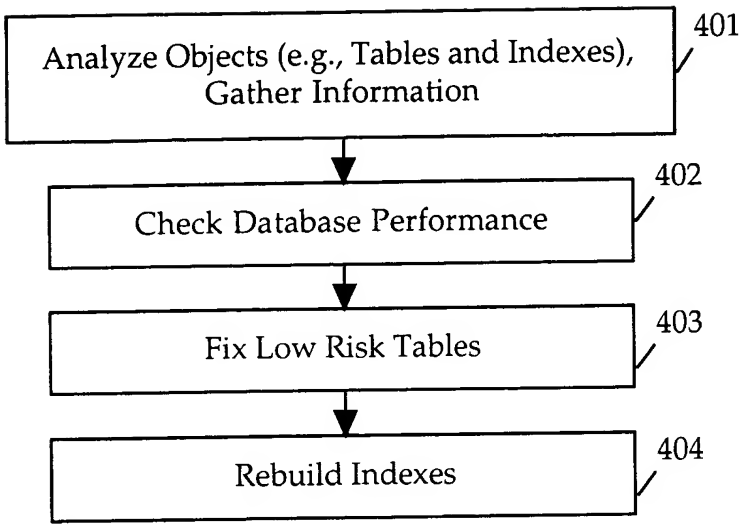


FIGURE 5A

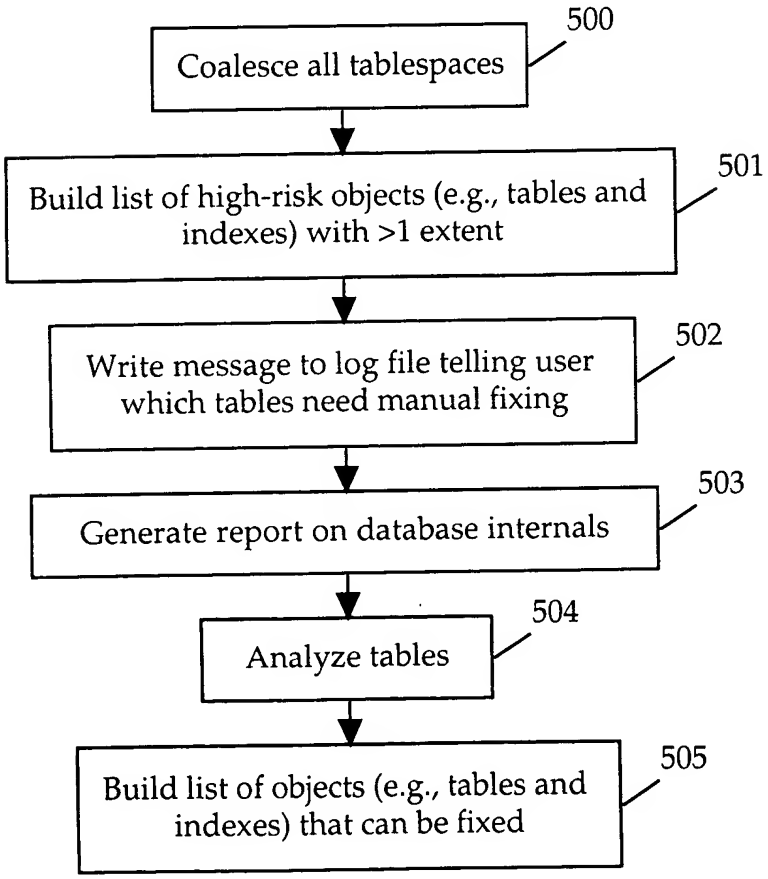


FIGURE 5B

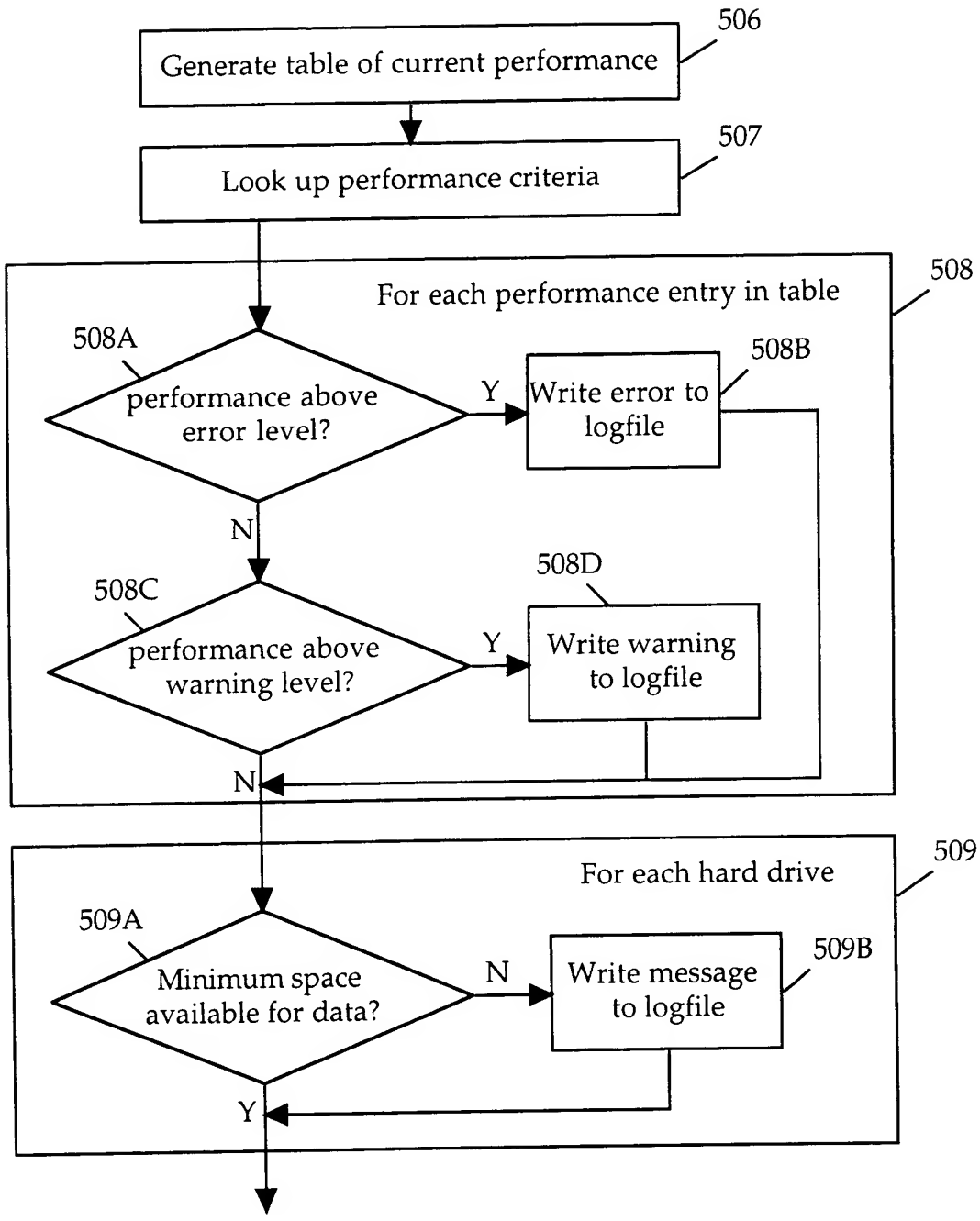
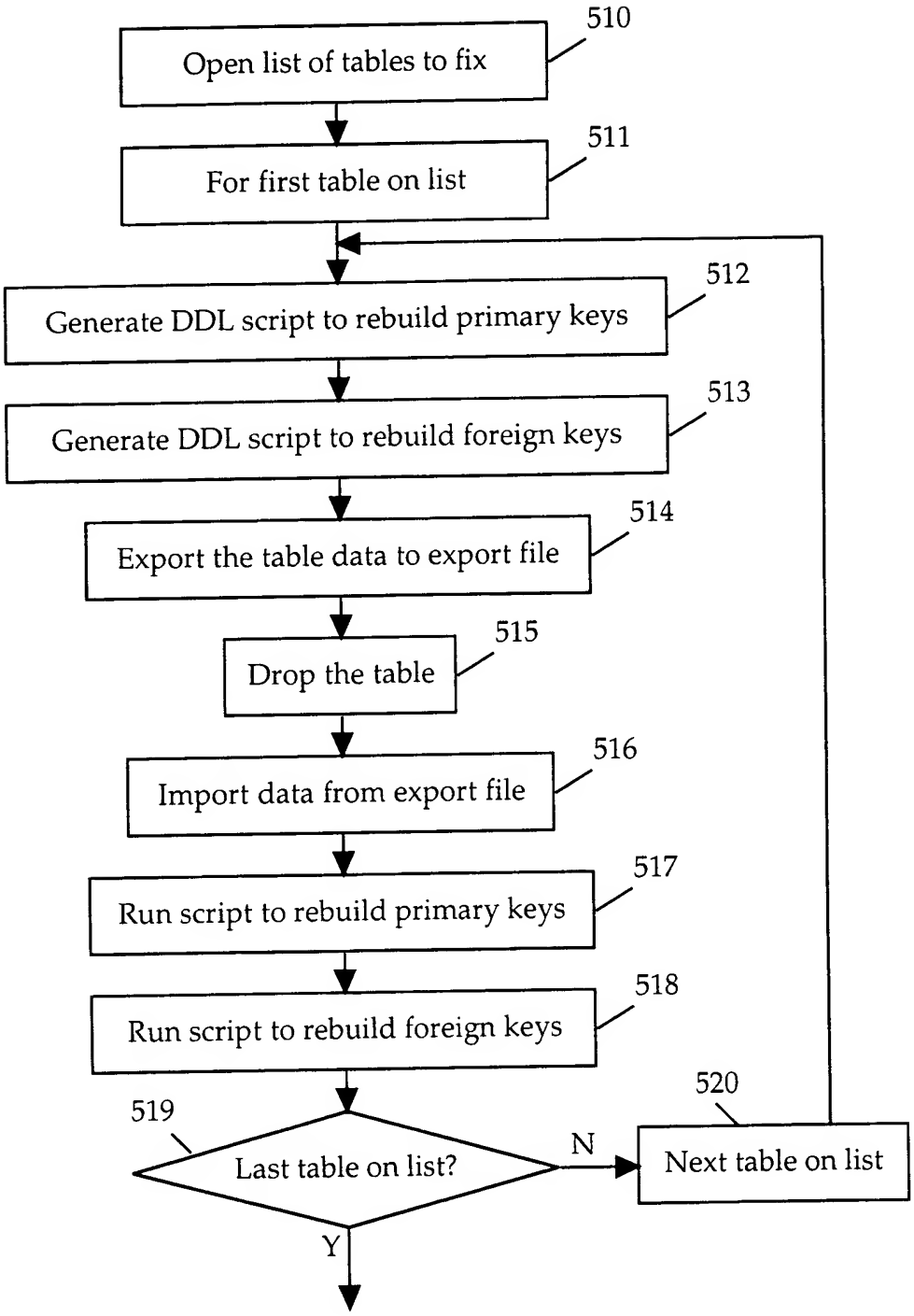

Generate table of current performance
506
Look up performance criteria
507
For each performance entry in table
508
508A
performance above error level?
Y
508B
Write error to logfile
N
508C
performance above warning level?
Y
508D
Write warning to logfile
N
For each hard drive
509
509A
Minimum space available for data?
N
509B
Write message to logfile
Y

FIGURE 5C


510
Open list of tables to fix
511
For first table on list
512
Generate DDL script to rebuild primary keys
513
Generate DDL script to rebuild foreign keys
514
Export the table data to export file
515
Drop the table
516
Import data from export file
517
Run script to rebuild primary keys
518
Run script to rebuild foreign keys
519
Last table on list?
N
520
Next table on list
Y